DATA QUALITY & INTEGRITY ENGINE

ABSTRACT

Methods (300, 400), systems (200), and computer program products for ensuring data quality and integrity of a data set derived a data source (210) are described. The data source may be one or more data repositories or data warehouses, or one or more transaction systems. Data from the data source (210) may be stored in a staging area (242). A data repository (220) is built using the data. The data repository (220) comprises a data structure that forms a model of the data from the data source (210). The building step involves applying business rules from a rules database (252) to the data. The business rules are dependent upon meta data (224). The building step further involves detecting any errors (254) in the data and storing data satisfying the business rules in the data repository (220). A log (226) of any detected errors may be maintained in the data repository (220).

Fig. 2